

Project #18-1267, Chambers Creek Canyon Trail Development

Current Status: Application Submitted

Project Details

Primary Sponsor: Pierce County Parks & Recreation Services

Primary Contact: Joseph Coppo

jcoppo@co.pierce.wa.us

Funding Program: WWRP - Trails

Project Type: Development

Project Description

Chambers Creek Canyon is a forested stream corridor between the Cities of Lakewood and University Place (UP). A planned 2.5-mile pedestrian trail starts at Kobayashi Park near the confluence of Chambers, Leach, and Flett creeks, and traveling west to Chambers Creek estuary. The trail will engulf users in a forested canopy creating a unique back-country experience in the middle of a dense urban setting. This project will construct 1.2 miles of the proposed trail, including a 140-foot pedestrian bridge, a small foot-bridge across Peach Creek, 1,970 linear feet of boardwalk, and a trailhead on the Lakewood side of the canyon. These enhancements will connect and improve existing trail segments on either side of the canyon. Washington Trails Association volunteers are working to construct the less challenging upland segments of the trail. UP, Lakewood, and Pierce County have partnered to jointly plan, fund, develop, and maintain the canyon trail. Lack of formal trails within the canyon has resulted in numerous volunteer paths which threaten the integrity and stability of the steep canyon slopes and the health of wildlife habitat. Lack of a bridge crossing causes damage to the salmon spawning gravel in Chambers Creek. A clearly defined trail will provide access for users while protecting and preserving the canyon's sensitive areas.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric

Application Answer

Trail Overview

Primary trail name	Chambers Creek Canyon Trail
Alternate trail name	None
Total length of trail developed/renovated in the project	1.16
How many new trail miles will be created as the result of this project	1.16
Total length of continuous trail after this project is complete	1.60
Designed trail use	Pedestrian
Managed trail uses	Hiking/walking
Trail plan	Pierce County PROS Plan Chambers Creek Properties Master Site Plan Lakewood PROS Plan University Place PROS Plan

Sites Improved

Project acres developed	2.30
Project acres renovated	0.00

Completion Date

Projected date of completion	12/31/2020
------------------------------	------------

Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
WWRP - Trails (FY2020)	\$709,000	50.00 %		Appropriation \ Cash	\$674,000
Sponsor Match	\$709,000	50.00 %	50%	Cash Donations	\$15,000
Total Project Funding	\$1,418,000	100.00 %		Donated Labor	\$20,000

Project Cost Summary

DEVELOPMENT COSTS

		Project %	Admin/A&E %	Maximum for Selected Program
Development	\$1,181,667			
A&E	\$236,333		20.00 %	\$236,333 (20%)
Subtotal	\$1,418,000	100.00 %		
Total Cost Estimate	\$1,418,000	100.00 %		

Worksites and Properties

County: Pierce

Legislative Districts 2012: 28

Congressional Districts 2012: 10

Sections: 27

Township: T20NR02E

Coordinates: 47.19751943
-122.53793820

Worksite #1: Chambers Creek Canyon

Coordinates from Mapped Point:	Latitude: 47.19751943	Longitude: -122.53793820
Coordinates from Worksite	Latitude:	Longitude:
Directions:		

Worksite Description: Bridge #2 will be installed at Chambers Creek Regional Park southeast of the 86th Ave W trailhead. Construction at the site will consist of building bridge abutments on either side of the creek, along with ramps or stairs from the existing trails to the bridge. The bridge will be constructed off-site and placed on the bridge abutments. The pedestrian bridge over Peach Creek will be located where the planned trail crosses Peach Creek, east of the 86th Street Chambers Creek Bridge Crossing. Boardwalks will be located on the northern side of the creek between Bridge #1 and the pedestrian bridge at Peach Creek.

Site Access Directions: Take exit 125 for Bridgeport Way, Travel 0.2 mi Turn right onto Bridgeport Way SW, Travel 4.0 mi Turn left onto 67th Ave W, Travel 171 ft Turn left onto Chambers Creek Rd W, Travel 364 ft Chambers Creek Rd W turns right and becomes Kobayashi Park Drive Travel 0.1 mi down hill and park at Kobayashi Park Trailhead Take walking path west from trailhead approximately 600 feet, cross Bridge #1 and proceed approximately 300 feet (??) to the project site.

Worksite Address:

Development Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Trailheads		
Trailhead Development		
Total cost for trailhead development		\$104,777.00
Number of parking stalls - ADA	2	
Number of parking stalls - Standard vehicle	18	
Parking surface	Gravel	
Parking enhancements	Rock barriers, Wheel stops	
Trails		
Trail development		
Total cost for Trail development		\$830,000.00
Miles of hard surfaced trail developed / renovated by surface type - 0.36		
Boardwalk		
Miles of natural surfaced trail developed / renovated by surface type 0.80		
- Wood chip / engineered wood fiber		
Is this a dual tread trail	No	
Trail design profile - Cross-slope (percent)	2	
Trail design profile - Running slope (percent)	2	
Trail design profile - Shoulder width (feet)	1	
Trail design profile - Tread width (feet)	6	
Select the trail structures	Culverts, Water bars	
Number of at-grade road / street crossings in this project	0	
Controls used for road / street crossings	No road / street crossings	
Project involve painting, striping, or other trail/pavement marking (yes/no)	No	
Trail bridge development		
Total cost for Trail bridge development		\$234,890.00
Number of trail bridges	2 new, 0 renovated	
Select the bridge types	Steel, Wood	
Provide the length and width of each bridge (feet)	Bridge #2: 140' long, 6' wide Peach Creek Bridge: 10' long, 6' wide	
Cultural Resources		
Cultural resources		
Total cost for Cultural resources		\$7,000.00
Acres surveyed for cultural resources	87.47	
Number of trail miles surveyed for cultural resources	1.20	
Permits		
Obtain permits		
Total cost to Obtain permits		\$5,000.00
Number of permits required for implementation of project		
Architectural & Engineering		
Architectural & Engineering (A&E)		
Trail design standards used	USFS Backcountry Trail Standards	
Total cost for Architectural & Engineering (A&E)		\$236,333.00

Development Questions

1 of 7	Is the worksite(s) located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area and specify if the land is owned by local, state or federal government. Yes, The worksite is within Chambers Creek Regional Park which is owned by Pierce County. A small portion of the proposed trail is on a parcel owned by the
--------	--

- 2 of 7 Identify the source of funds (i.e. federal grant, Conservation Futures, local appropriations, private land donation, etc.) that was originally used to acquire the property.**
Six parcels in in the project worksite were purchased with Pierce County Conservation Futures Funds. One parcel was purchased in 1991 with funds from the Interagency Committee for Outdoor Recreation. The property owned by the City of University Place was dedicated to the City as open space as part of a residential development agreement.
- 3 of 7 Cultural Resources: Has the worksite been investigated for historical, archeological, or cultural resources? If yes, when did this occur and what agencies and tribes were consulted? Attach related documents (letters, surveys, agreements, etc.) to your project in PRISM.**
Yes, Larson Anthropological/Archaeological Services (LAAS) conducted a cultural resource assessment for Chambers Creek Regional Park in 1996 as part of the master site plan developed for the park. Agencies and tribes consulted as part of the assessment include the Puyallup Tribe, Nisqually Tribe, Steilacoom Tribe, Washington State Office of Archaeology and Historic Preservation, and Pierce County's Planning and Land Services Department. A copy of the report is attached in PRISM.
- 4 of 7 Describe existing worksite site conditions. The answer to this question will be used in cultural resource consultation so please provide detailed information.**
The project site is primarily undeveloped, consisting of Chambers Creek and the surrounding wooded canyon. The stream corridor is a deeply incised canyon with a forested canopy of mature Douglas-Fir, western hemlock, and western redcedar, and a thick native understory. The forest appears to be second and third growth trees. Evidence of old logging roads can be found at the site with some of them being used as informal hiking trails. There is historical evidence of a service road on the south side of the proposed Bridge #2. The Peach Creek bridge could take advantage of previous logging roads to minimize construction impacts.
- 5 of 7 Cultural Resources: Describe any proposed ground disturbing activities that will take place as part of your project. This includes work conducted by hand or mechanized tools. Provide specific information including length, width, and depth of the ground disturbance. Ground disturbing work includes all restoration activities, geotech, fencing, demolition, etc. Avoid subjective phrases such as "ground disturbing activities will be minor".**
Soft-Surface Trail No significant ground disturbing activities will be conducted to construct the soft-surface trail. Approximately 6,000 linear feet of soft-surface trail will be constructed. The trail will be 6 feet wide with 1 foot shoulders. The majority of the work needed to prepare the trail surface for application of gravel or wood chips will be the removal of organic material to expose bare soil. Minor grading of 1-3 feet deep may be required in some areas in order to prepare for trail surfacing and to install trail drainage facilities. These tasks will be completed using hand tools with the occasional use of a small bulldozer. Boardwalk Approximately 2,000 linear feet of 6-foot-wide boardwalks will be used to cross wetlands or on sloped locations. A pin-pile or screw-pile system will be used for the boardwalks, which can be constructed without the use of heavy equipment and with only minimal and temporary disturbances to the wetland and sensitive hillside. Suspension Bridge The only ground disturbance associated with the suspension bridge is the installation of a standard cast-in-place concrete spread footing foundation for the bridge abutments and foundations. The bridge location is inaccessible to heavy equipment, which will minimize ground construction related ground disturbance. Zircon Trailhead The trailhead will be constructed on an existing gravel shoulder on Zircon Drive. Activities will consist of regrading the shoulder area to provide for 20 parallel parking spaces.
- 6 of 7 Give street address for this worksite if available.**
A street address is not available.
- 7 of 7 Cultural Resources: Are there any structures existing on the property (including tidegates, dikes, residential structures, bridges, rail grades, etc.)? If so, please list all existing structures. Indicate if any of these structures will be altered or demolished as a result of the project, and provide the following for each structure that could be altered or demolished: identifying name, year constructed, year(s) remodeled/renovated. Attach at least one photo of each altered structure.**
No

Property for Chambers Creek Canyon Worksite #1: Chambers Creek Properties

Activity: Development

Landowner

Pierce County Parks & Recreation Services
9112 Lakewood Dr SW
Lakewood, WA 98499-3998

Control and Tenure

Instrument Type: Sponsor owned property (deed)

Purchase Type:

Term Length: Perpetuity

Expiration Date:

Note:

Landowner Type: Local Government

Overall Project Questions

- 1 of 18 Does the project site or project boundary lie within the urban growth area boundary of a city or town with a population of 5,000 or more? If yes, name the community and attach one map called Population Proximity Map under the Attachment Tab in PRISM.**
Yes. The 204-acre project site straddles the border between the Cities of Lakewood and University Place. The 2017 OFM population estimates for Lakewood is 59,280 and 32,610 for University Place.
- 2 of 18 Describe any ground disturbing work that will be necessary as part of the design process, such as geotech work. Include anticipated number of test sites, depth of disturbance, location, etc.**
Soft-Surface Trail No significant ground disturbing activities will be conducted to construct the soft-surface trail. Approximately 6,000 linear feet of soft-surface trail will be constructed. The trail will be 6 feet wide with 1 foot shoulders. The majority of the work needed to prepare the trail surface for application of gravel or wood chips will be the removal of organic material to expose bare soil. Minor grading of 1-3 feet deep may be required in some areas in order to prepare for trail surfacing and to install trail drainage facilities. These tasks will be completed using hand tools with the occasional use of a small bulldozer. Boardwalk Approximately 2,000 linear feet of 6-foot-wide boardwalks will be used to cross wetlands or on sloped locations. A pin-pile or screw-pile system will be used for the boardwalks, which can be constructed without the use of heavy equipment and with only minimal and temporary disturbances to the wetland and sensitive hillside. Suspension Bridge The only ground disturbance associated with the suspension bridge is the installation of a standard cast-in-place concrete spread footing foundation for the bridge abutments and foundations. The bridge location is inaccessible to heavy equipment, which will minimize ground construction related ground disturbance. Zircon Trailhead The trailhead will be constructed on an existing gravel shoulder on Zircon Drive. Activities will consist of regrading the shoulder area to provide for 20 parallel parking spaces.
- 3 of 18 When will the project be completed and made available to the public for outdoor recreation uses? Please note that funding may not be awarded for about one year from application submittal and it may take one or more years for you to complete the project.**

- 4 of 18 Describe any required mitigation as a result of the action in this proposal. Will mitigation occur on this site or another location?**
Potential wetland and wetland buffer mitigation may be associated with the boardwalk trails.
- 5 of 18 Are overhead utility lines present at the site, and if so explain how they will be relocated or buried.**
No
- 6 of 18 Will this proposal create a new public park/recreation area where none presently exists? If yes, what will the area be named?**
No.
- 7 of 18 Will this proposal renovate or expand an existing public park/recreation area? If yes, what is the name of the existing area?**
This proposal will expand the existing trail along Chamber Creek Canyon in Chambers creek Regional Park by 1.3 miles.
- 8 of 18 How does this proposal implement goals in your agency's planning document and/or the Statewide Comprehensive Plan (include references)**
The project implements the goals of three jurisdictions: the cities of Lakewood, University Place and Pierce County, the Puget Sound Regional Council VISION 2040 and the State Comprehensive Outdoor Recreation Plan (SCORP). Similar goals are met in the University Place and Pierce County Parks Recreation and Open Space Plans, Lakewood's Legacy Plan, VISION 2040 and SCORP including but not limited to: University Place: Policy PRO1H Develop pedestrian trails along creeks and saltwater shoreline where feasible and not detrimental to wildlife and other aspects of the environment. Continue supporting development of the Chambers Creek trail in order to achieve a regional trail system that connects trails within the City of Fircrest to the Puget Sound shoreline at Chambers Creek Properties via the Leach Creek corridor and Chambers Creek Canyon. Lakewood: Lakewood Legacy Plan: Goal 2: Create safe access to open space through a connected system of urban, non-motorized trails. Strategies: 2.1. Develop a connected system of non-motorized trails throughout the City. 2.1.1. Create a connected system of on-street non-motorized trails and off-street trails in parks and other public spaces. 2.1.3. Partner with adjacent jurisdictions to connect City trails and water trails with regional trail systems. Pierce County Comprehensive Plan: LU-Rc Objective 54A Recreation: Develop a comprehensive system of multi-purpose and linear park trails providing for recreational... hikers and walkers, joggers, casual strollers, equestrian use and neighborhood residents. Link urban neighborhoods to major parks and community facilities, and with proposed trails to other community and regional facilities. Extend trails through natural area corridors which will provide a high quality, diverse sampling of county environmental resources. Pierce County Parks, Recreation and Open Space Plan: Goal 2D: Regional Connectivity Provide and enhance connectivity to important County and regional destinations, between multiple jurisdictions and to neighboring counties. Goal 2I: Coordination. Coordinate with cities and local communities, federal agencies, tribes, park districts, user groups and organizations, and neighboring counties to ensure the successful development of a regional trails system. VISION 2040: Regional Green Space Strategy: En-Action-2. The Puget Sound Regional Council, its member jurisdictions, open-space agencies, and interest groups shall develop a regional green space strategy. (Address regional trail development in such a strategy.) 2018 State Comprehensive Outdoor Recreation Plan: Priority 1 Sustain and Grow the Legacy of Parks, Trails and Conservation Lands. Pursue regional solutions to Recreation and conservation; build partnerships to leverage better results and include recreation needs when planning for growth.
- 9 of 18 Is this project scope part of a larger effort not reflected in the project application? If so, briefly describe the larger effort, funding amount(s) and source(s).**
The project is phase II of a three phase trail project connecting Kobayashi Park located at the confluence of Chambers, Leach and Flett Creeks in the City of University Place and the Chambers Bay Estuary and Chambers Creek Properties Regional Park in the cities of Lakewood and University Place respectively. The trail will cross over Chambers Creek, the boundary between the cities of Lakewood and University Place in three locations. The majority of the trail will be located on lands owned by Pierce County Parks and Recreation. The remainder will be located on property owned by the City of University Place. Ultimately, the trail will connect to other regional trails as depicted in the Pierce County Parks and Recreation Plan's Regional Trail Chapter.
- 10 of 18 Describe the nature of any existing rights-of-way, easements, reversionary interests, etc. to the project area.**
There are no easements, right-of-ways or reversionary interests in the project area.
- 11 of 18 Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. (www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf)**
No
- 12 of 18 Does your project address or accommodate the anticipated effects of climate change? If yes or maybe, please describe how.**
Yes, These areas are currently inaccessible, so having a trail through this area allows us to directly address invasive removal, tree planting and vegetation enhancements to address changing climate conditions.
- 13 of 18 When this project is completed, what are the projected economic benefits to the community or region? Consider factors such as employment, tourism, environmental improvements, property values, tax revenues, and benefits to human health and wellness. The economic benefits may be realized by government, private businesses, or the general public. Reference existing studies or data. (750 characters max)**
Economic benefits provided by the completed bridge and boardwalk installations in the Chambers Creek canyon will be related to increased health and wellness of residents living near the project site and to increased revenue by local business from increased use of the Chambers Creek Canyon Trail. Improvements to the trail system will result in preservation of the natural environment including, but not limited to, the restoration of salmon habitat.
- 14 of 18 Who will be responsible for administration, design, and/or implementation of this project (i.e. in-house staff, paid consultants, contractors, volunteers, other agency staff, etc.)? Explain.**
Pierce County staff will provide project management and administration oversight. Design and construction of the facilities will be by private consultants/contractors selected by the County in competitive bid processes.
- 15 of 18 Do you plan to restrict or limit general public availability or use of the site in any way? If yes, describe the type of restriction, the portion of the project area that will be restricted (an illustrative map may be requested), and the reason(s) the public will be restricted.**
Yes, The trail will be designated pedestrian-only. Motorized vehicles, bicycles and equestrian uses will be prohibited. These uses will be prohibited to protect the sensitive natural areas within the canyon as well as to provide for the safety and peace of those seeking a backcountry experience.
- 16 of 18 Does this application contain state, federal or other grants as part of the "sponsor match"? If "yes," name the grant(s) and date grant will be available.**
No
- 17 of 18 Does this application contain elements required for mitigation for other project(s)? If yes, explain:**
No
- 18 of 18 Is this project a subsequent phase to a previously funded RCFB project? If yes, please identify the grant project number(s) if known.**
Yes, Project #91-123A Acquisition of 80 acres of land along Chambers Creek. Part of this proposed trail project is on the 80 acres acquired in 1991. Project

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Cultural Assessment [Section 106]				
Hydraulics Project Approval [HPA]				
Nationwide Permit				
SEPA				
Water Quality Certification [Section 401]				
Shoreline Permit				

Permit Questions

1 of 1

Will this project require a federal permit? If this project requires a federal permit, will the scope of that permit cover ALL proposed ground disturbing activities included in this project? You may need to request a pre-application meeting with the permitting agency to answer this question.

Yes, The project will require a Clean Water Act Section 404 Permit. The hope is that Nationwide Permit 42 -Recreational Facilities can be utilized. Nationwide Permit 42 allows discharges of dredged or fill material into non-tidal waters of the United States for the construction or expansion of recreational facilities including hiking trails. The discharge must not cause the loss of greater than 1/2-acre of non-tidal waters of the United States. The discharge must not cause the loss of more than 300 linear feet of stream bed. The loss of stream bed plus any other losses of jurisdictional wetlands and waters caused by the NWP activity cannot exceed 1/2-acre. The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity. The project may also require a Section 10 permit under the Rivers and Harbors Act if Chambers' Creek is considered navigable waters.

Project Attachments

Attachment Type	Title	Attach Date
Applicant	18-1267 Auth Resolution.pdf.pdf	04/19/2018
Resolution/Authorizations		
Control & Tenure	18_1267 Control and Tenure.pdf.pdf	04/04/2018
Documentation		
Map: Boundary map – Draft	18-1267 Draft Boundary map.pdf.pdf	04/30/2018
Map: Population Proximity	18_1267D Pop Proximity map.pdf.pdf	04/04/2018
Map: Trail and or Facility	18-1267 Trail Map.pdf.pdf	04/30/2018
Map		
Photo	18-1267 Chambers Creek Canyon.jpg.jpg	04/27/2018
Site Plan: Development site	18-1267 Development site plan.pdf.pdf	04/30/2018
plan		

Application Status

Application Due Date: 05/01/2018

Status	Status Date	Name	Notes
Application Submitted	04/30/2018	Joseph Coppo	
Preapplication	02/20/2018		

I certify that to the best of my knowledge, the information in this application is true and correct. Further, all application requirements due on the application due date have been fully completed to the best of my ability. I understand that if this application is found to be incomplete, it will be rejected by RCO. I understand that I may be required to submit additional documents before evaluation or approval of this project and I agree to provide them. (Joseph Coppo, 04/30/2018)